

# Dr. S. THAMARAI SELVI

Professor, Anna University &

Director, Centre for Technology Development and Transfer

Vision: **Innovative Technocrats for Smart Society**

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## Essential Qualification

- B.E. Mechanical Engineering
- M.E. Computer Science and Engineering - **Gold Medalist**
- Ph.D. Computer Science and Engineering
- Experience as **Professor** in CSE at Anna University : **14 years**
- **Teaching & Research experience:** Government Engg. Colleges, M.S University - Tirunelveli and Anna University: **34 years**
- Positions held: **Director, Dean, Head of the Departments, System Manager: 14 Years**

## Post Ph.D. invitations from Foreign Countries

- **Visiting Scientist**, Wright State University, Dayton, *USA*, May-June 2015 and December 2016
- **Visited** Universities of Cincinnati, Oklahoma, North Texas, Indiana in *USA* during December 2016
- **Academic Visitor**, Athabasca University, *Canada*, April 2012
- **Visiting Researcher**, MIMOS, *Malaysia*, October 2010
- **Visiting Professor**, Kuwait University, Dec.2006 & Nov. 2009
- **Academic Visitor**, The University of Melbourne, *Australia*, 2006, 2007, 2010
- **Visiting Scholar**, The University of Sydney, *Australia*, July 2005

## Honors / Awards / Certificates

- **CSI-IEEE CS Joint Education Award**, 2016
- **Abdul Kalam Seva Ratna Award**, 2015
- **Technology Transfer Award** by Anna University, 2015
- **Award from Honorable Chief Minister of Tamil Nadu for Social Work** in Rescue Operation in Moulivakkam - Chennai building collapse using UAS and Thermal Imaging technology, July 2014
- **Women Engineer Award** by Indian Engineering Congress, 2013
- Received **Pro Development Initiative Grant** (PDIG) from Indo-Canadian Shastri Institute, Canada, 2012-2013
- Awarded **UNESCO-HP BGI** (Brain Gain Initiative) scholarship, Kuwait, 2012
- **India-UK Staff Exchange Award** under UKIERI- 2012
- **Active Researcher Award** by Anna University - 2011
- **IBM Faculty Award**, 2008 and **Coach** for 2006 ACM-ICPC World Finals
- **Award for Best Technical Contributor on .NET** from Microsoft, 2003
- **RAB Student Branch Membership Growth Award** for IEEE Membership development Activities for the year 2003

## Academic Outreach and Contributions

- **Countries visited:** USA, Canada, Scotland, UK, Germany, France, Switzerland, Australia, New Zealand, Singapore, Dubai, Doha, Kuwait, Muscat, and Malaysia
- **NBA Accreditation** obtained for UG Programmes - MIT Campus
- Instrumental to **start M.Tech IT & M.E CSE at MIT Campus**
- **National Knowledge Network (NKN)** facility is made available in Department of Computer Technology
- AICTE, **Advisory, Executive, AU Affiliation and Research recognition inspection committee member**
- **Mentor** for Trichy Regional Constituent Colleges
- **Competency and Soft Skill** development for placement
- **MoU signed with 4 International and 5 National Organizations**

- Member of **Academic Council, Standing Committee** and **Board of Studies**
- **Books Authored- 5**
- **UGC - Video Lecture** delivered on **Cloud Computing**
- Digital contents provided through **Technology Enabled Learning and Learning Analytics** for the courses taught and **evaluation using Bloom's Taxonomy**
- **Course coordinator** for **MHRD** sponsored **GIAN** course on **Digital Forensics** handled by Foreign Expert from USA

## Research Contributions

- **Patents awarded / Published: 4**
- **Unmanned Aircraft System(UAS) Technology transfer** to Societal Applications
- Governmentfunded **Projects worth of 30 Crore in Grid, Cloud Computing and UAS**
- **Publications:** Journals - 67; Conferences - 132
- **Ph.D. Scholars** guided - 14; **M.S. (by Research)** Scholars - 7
- **Reviewer for 8 International Journals**
- **IEEE International Conferences/Workshops** Organized - 8
- Member of Professional Society: **ACM, IEEE, CSI, ISTE, IE**

## Technology Collaboration with foreign Universities

- Trust module for Gridway, **University of Madrid, Spain.**
- Completed Globus Incubation project GT Auto Install, **USA**
- Joint Research and co-authoring book **"Mastering Cloud Computing"** with **The University of Melbourne, Australia**
- Grid Computing Research Collaboration - **MIMOS, Malaysia**
- Established **Centre for Advanced Computing Research and Education (CARE)** at MIT campus and **Guided internship at our CARE lab, MIT Campus for 3 years for 3 foreign graduate students from Belgium**
- **Unmanned Aircraft System (UAS)** for **Societal applications**

## Administrative Governance

- **Director**, Centre for Tech. Development and Transfer from 2016
- **Local Coordinator - Global Initiative of Academic Networks (GIAN Phase-II)** funded by **MHRD**
- **First Woman Dean & Warden** of MIT Campus - 4 years
- **Syndicate Member** of Anna University in 2011-2012
- **Head** of the Department, MIT Campus, Anna University - 7 years
- **Budget Committee Member**, Anna University - 2 Years
- **Advisory Committee member -TechKnow 2017, Aero Design Challenge, 2017**
- **Executive Committee member**, Anna University
- **System Manager** for examination result processing at Manonmaniam Sundaranar (MS) University - 5 years
- **Head** of the Dept., M S University & GCE Tirunelveli - 2 years

## Social Responsibilities

- **International and National Congresses** attended: 2
- **Women empowerment** - Community service programs conducted
- **Disaster management & Crowd monitoring** using **UAS**
- **Anna University Rural Development Program** in progress
- Organized **National Service Scheme & Youth Red Cross** camps